

## EAST Search History

S40	9	vcSEL and (single or transversal or fundamental) adj2 mode and resin same harden	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/31 19:52
S41	23	(vcSEL or vertical adj2 emitter) same (single or transversal or fundamental) adj2 mode and resin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 11:37
S42	12	vcSEL and (single or transversal or fundamental) adj2 mode same quarter near3 (wavelength or lambda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 11:38
S43	19	vcSEL and (single or transversal or fundamental) adj2 mode same (quarter or "1/4") near3 (wavelength or lambda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 11:38
S44	6493	vcSEL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 11:51
S45	5	("5086430"   "5255278"   "5263041"   "5389797"   "6266356").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 13:02
S46	1	"6751245".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 13:02
S47	405	vcSEL and (single or transversal or fundamental) adj2 mode and (quarter or "1/4")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 16:31
S48	2	"6905900".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 14:45

## EAST Search History

S49	168	("20010004414"   "20020154675"   "20030038291"   "20030039119"   "20030039120"   "20030039122"   "20030039284"   "20030039294"   "20030040133"   "20030040200"   "20030072526"   "4317085"   "4466694"   "4660207"   "4675058"   "4784722"   "4885592"   "4901327"   "4943970"   "4956844"   "5031187"   "5052016"   "5056098"   "5062115"   "5068869"   "5079774"   "5115442"   "5117469"   "5140605"   "5157537"   "5158908"   "5212706"   "5216263"   "5216680"   "5237581"   "5245622"   "5258990"   "5262360"   "5285466"   "5293392"   "5317170"   "5317587"   "5325386"   "5331654"   "5337074"   "5337183"   "5349599"   "5351256"   "5359447"   "5359618"   "5363397"   "5373520"   "5373522"   "5376580"   "5386426"   "5390209"   "5396508"   "5404373"   "5412678"   "5412680"   "5416044"   "5422901"   "5428634"   "5438584"   "5446754"   "5465263"   "5475701"   "5493577"   "5497390"   "5513202"   "5530715"   "5555255"   "5557626"   "5561683"   "5567980"   "5568499"   "5574738"   "5581571"   "5586131"   "5590145"   "5598300"   "5606572"   "5625637"   "5625729"   "5642376"   "5645462"   "5646978"   "5648978"   "5679963"   "5692083"   "5696023"   "5699373"   "5712188"   "5726805"   "5727013"   "5727014"   "5774487"   "5778018"   "5781575"   "5784399"   "5790733"   "5805624"   "5818066"   "5818861"   "5828684"   "5838705"   "5838715"   "5892784"   "5892787"   "5896408"   "5901166"   "5903588"   "5903589"   "5903590"   "5908400"   "5908400"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 13:34
2/28/06 5:03:19 PM	C:\Documents and Settings\pndlyer6\My Documents\EAST\workspaces\10665447.wsp					Page 6

## EAST Search History

S50	2	"6905900".pn. and "110"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 14:50
S51	2	"6905900".pn. and (mirror or reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 14:51
S52	1	"6905900".pn. and (mirror or reflector) with thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 14:54
S53	2	"20040213311"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 15:14
S54	2	"5892789".pn. and "101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 15:18
S55	13	("20020080836"   "20020191659"   "20030006407"   "5115441"   "5940422"   "5953362"   "5995531"   "6002705"   "6055262"   "6154479"   "6185241"   "6188711"   "6339496").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 16:20
S56	13	("20020080836"   "20020191659"   "20030006407"   "5115441"   "5940422"   "5953362"   "5995531"   "6002705"   "6055262"   "6154479"   "6185241"   "6188711"   "6339496").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 16:30
S57	75	vcsl and (single or transversal or fundamental) adj2 mode and (half or "1/2") near3 wavelength with (mirror or reflector or dbr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 20:21
S58	8	("5245622"   "5317587"   "5574738"   "5753941"   "5838715"   "5867516"   "5879961"   "5940422").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 17:07

## EAST Search History

S59	8	("5245622"   "5317587"   "5574738"   "5753941"   "5838715"   "5867516"   "5879961"   "5940422").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 17:23
S60	21	("5020066"   "5038356"   "5086430"   "5164949"   "5256596"   "5258316"   "5295147"   "5314838"   "5337327"   "5348912"   "5351257"   "5353295"   "5357591"   "5388120"   "5425043"   "5444731"   "5446752"   "5446754"   "5468656"   "5493577"   "5726462").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 17:59
S67	22	vcsl and (single or transversal or fundamental) adj2 mode and phase adj2 shift\$4 with ("1/2" or half)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/01 20:22
S68	1912	(mirror or dbr or reflector) with (half or "1/2") adj3 wavelength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/03 13:39
S69	1986	(mirror or dbr or reflector) with (half or "1/2") adj3 (wavelength or lambda)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/03 13:39
S70	132	(mirror or dbr or reflector) with (half or "1/2") adj3 (wavelength or lambda) and vcsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/03 14:08
S71	3	("5245622"   "5594751"   "6169756").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/03 16:06
S72	2	"6618414".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 16:31
S73	1	"6905900".pn. and "124"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 17:31

## EAST Search History

S75	1	"6905900".pn. and "124" and "132"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 17:31
S76	1	"20040114654".pn. and uneven	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 17:44
S77	2	"20040114654".pn. and thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 17:44
S78	2	"6618414".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/27 20:06
S79	2	"6905900".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/27 20:06
S80	63	mode adj2 (selected or selection or selecting) same (dbr mirror reflector) and vcsel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/27 21:11
S81	13	("20020080836"   "20020191659"   "20030006407"   "5115441"   "5940422"   "5953362"   "5995531"   "6002705"   "6055262"   "6154479"   "6185241"   "6188711"   "6339496").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 14:24
S82	28	vcsel and (fundamental or single) adj2 mode same resin	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 14:40
S83	62	vcsel and (dbr or mirror or reflector) same resin	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 14:56
S84	61	S83 not S82	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 14:40
S85	5	vcsel and (dbr or mirror or reflector) same droplet	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 15:31

## EAST Search History

S86	70	vcsl and reflect\$5 with resin	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 15:33
S87	1279	resin near3 (reflector or mirror)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 15:34
S88	9	resin near3 (reflector or mirror) and vcsl	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 15:34